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Use of lysine and arginine pyrrolidone carboxylate(s) as anti-oxidants -  
pref. with a phenolic deriv., e.g. tocopherol, in pharmaceutical and  
cosmetic compsns., partic. to protect skin from ageing

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Number of Countries: 018 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 511118	A1	19921028	EP 92401189	A	19920424	199244 B
AU 9215076	A	19921029	AU 9215076	A	19920423	199251
FR 2675692	A1	19921030	FR 915062	A	19910424	199252
CA 2066924	A	19921025	CA 2066924	A	19920423	199303
JP 5271048	A	19931019	JP 92106546	A	19920424	199346
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DE 69201510	E	19950406	DE 601510	A	19920424	199519
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ES 2069970	T3	19950516	EP 92401189	A	19920424	199526
CA 2066924	C	19981020	CA 2066924	A	19920423	199901
JP 3405740	B2	20030512	JP 92106546	A	19920424	200333

Priority Applications (No Type Date): FR 915062 A 19910424

Cited Patents: 3.Jnl.Ref; JP 56071020; JP 61030509

Patent Details:

Patent No	Kind	Jan	Pg	Main IPC	Filing Notes
EP 511118	A1	F	8	A61K-007/48	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE					
AU 9215076	A			A61K-007/44	
FR 2675692	A1		10	A61K-007/40	
CA 2066924	A	F		A61K-007/48	
JP 5271048	A		5	A61K-007/48	
US 5352695	A		4	A61K-031/40	
EP 511118	B1	F	8	A61K-007/48	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE					
DE 69201510	E			A61K-007/48	Based on patent EP 511118
ES 2069970	T3			A61K-007/48	Based on patent EP 511118
CA 2066924	C			A61K-007/48	
JP 3405740	B2		5	A61K-007/48	Previous Publ. patent JP 5271048

Abstract (Basic): EP 511118 A

Use of lysine pyrrolidone carboxylate (lysine pidolate) and/or  
arginine pyrrolidone carboxylate (arginine pidolate) as antioxidants in  
cosmetic or pharmaceutical compsns., for the treatment of the skin,  
partic. its ageing, is new. Also claimed is a cosmetic or  
pharmaceutical compsn. contg. 0.1-20 wt.% of arginine and/or lysine  
pidolate, plus 0.005-5 wt.% of (a) phenolic deriv(s)..

USE/ADVANTAGE - Fatty materials tend to oxidise even at room temp.  
giving rise to tastes and smells which are undesirable in alimentary or  
cosmetic compsns.. Lysine and arginine pidolates are already known as  
hydrating agents. As antioxidants a synergistic effect is shown in the  
presence of phenolic derivs.: latence time in the rancidity test using  
vitamin F is 42 min. for 0.1% tocopherol, 126 min. for 0.75% lysine  
pidolate and 54 min. for 0.83% arginine pidolate compared to 963 min.

for 0.1% tocopherol + 0.75% lysine pidolate and 1845 min. for 0.1% tocopherol + 0.83% arginine pidolate. Such binary systems have good antioxidant properties and can be used in alimentary, dermo-pharmaceutical and cosmetic compsns. in which fatty materials (animal, vegetable and synthetic oils) and other prods. sensitive to oxidn. (e.g. vitamin F or beta-carotene) are present.

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Title Terms: LYSINE; ARGININE; PYRROLIDONE; CARBOXYLATE; ANTI; OXIDANT; PREFER; PHENOLIC; DERIVATIVE; TOCOPHEROL; PHARMACEUTICAL; COSMETIC; COMPOSITION; PROTECT; SKIN; AGE

Derwent Class: B03; B05; D21; E13; E14

International Patent Class (Main): A61K-007/40; A61K-007/44; A61K-007/48; A61K-031/40

International Patent Class (Additional): A61K-007/00; A61K-007/50; A61K-009/06; A61K-031/195; A61K-031/355; A61K-047/22; A61P-017/00; C09K-015/30; C11B-005/00

File Segment: CPI